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SENSOR SERIAL NUMBER: 0385
CALIBRATION DATE: 28-Dec-17

SBE 45 CONDUCTIVITY CALIBRATION DATA
PSS 1978: C(35,15,0) = 4.2914 Siemens/meter

COEFFICIENTS:

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g = -9.831415e-001
h =  1.332936e-001
i = -1.032830e-004
j =  2.642849e-005

CPcor = -9.5700e-008
CTcor =  3.2500e-006
WBOTC =  2.7605e-007
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BATH TEMP (° C)	BATH SAL (PSU)	BATH COND (S/m)	INSTRUMENT OUTPUT (Hz)	INSTRUMENT COND (S/m)	RESIDUAL (S/m)
22.0000	0.0000	0.00000	2716.70	0.00000	0.00000
1.0000	34.7606	2.97166	5442.50	2.97166	0.00000
4.5000	34.7411	3.27833	5648.77	3.27833	-0.00000
15.0000	34.6994	4.25879	6262.03	4.25879	0.00000
18.4999	34.6906	4.60348	6463.52	4.60348	-0.00000
24.0000	34.6806	5.16067	6776.29	5.16067	0.00000
29.0000	34.6744	5.68169	7055.88	5.68169	-0.00000
32.5000	34.6702	6.05339	7248.52	6.05330	-0.00009

f = Instrument Output(Hz) * sqrt(1.0 + WBOTC * t) / 1000.0

t = temperature (°C); p = pressure (decibars); δ = CTcor; ε = CPcor;

Conductivity (S/m) = $(g + h * f^2 + i * f^3 + j * f^4) / (1 + \delta * t + \varepsilon * p)$

Residual (Siemens/meter) = instrument conductivity - bath conductivity